SWP Water Quality Summary

November 26 to December 3, 2008

Electrical Conductivity: Concentrations increased at Banks Pumping Plant (BPP) and Barker Slough, but decreased at Check 29, Check 41, Devil Canyon and Vallecitos from November 26 to December 3, 2008. Concentrations ranged from 194 µS/cm to 713 µS/cm, but remained below the Article 19 Monthly Average Objective of 440 mg/L (733 µS/cm). Daily average concentrations varied at all the locations. As of December 3, 2008, the lowest and highest concentrations of 203 µS/cm and 713 µS/cm occurred at Barker Slough and BPP, respectively. Concentrations at BPP increased from 580 µS/cm to 713 µS/cm this week.

Bromide: Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations except at Barker Slough and ranged from 0.05 mg/L to 0.41 mg/L. As of December 3, Barker Slough had the lowest concentration of 0.05 mg/L, followed by Check 29 and Vallecitos with 0.17 mg/L while the highest concentration of 0.41 mg/L occurred at BPP. Concentrations at BPP increased from 0.30 mg/L to 0.41 mg/L as of December 3, 2008.

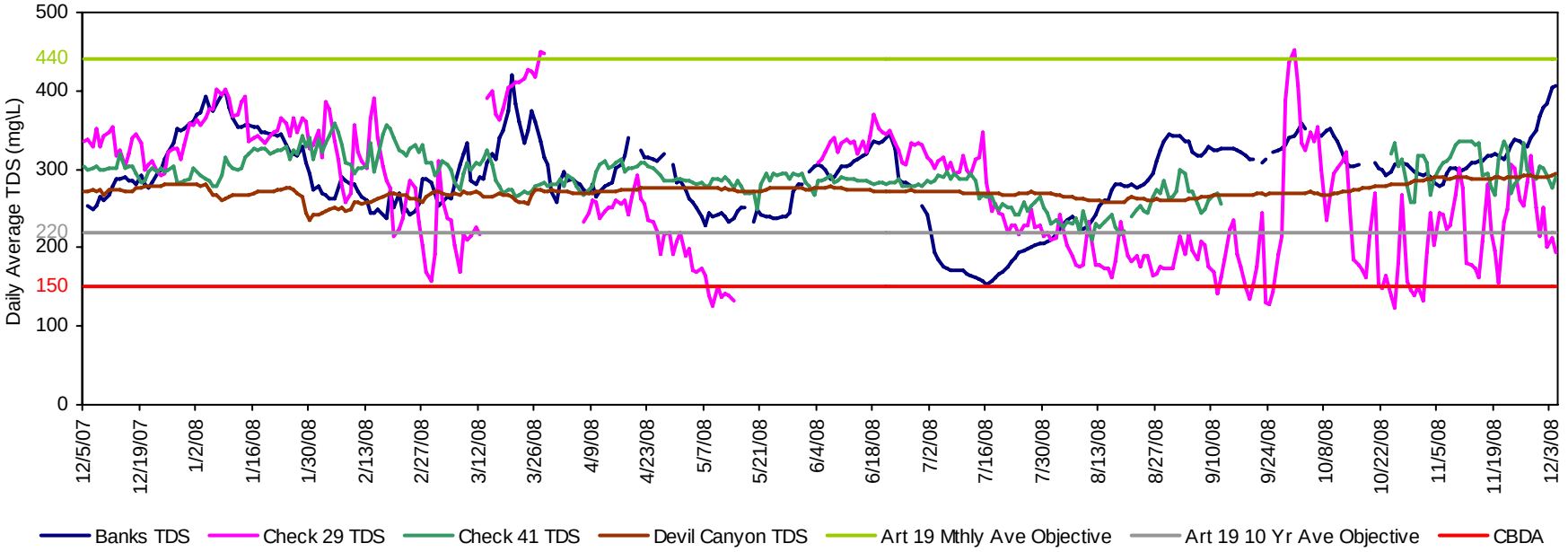
Turbidity: Turbidity levels decreased at Check 29, Check 41 and Barker Slough, but increased at Devil Canyon and were unchanged at BPP and Vallecitos. Turbidity levels ranged from 0.4 NTU to 31 NTU this week. On December 3, 2008, the lowest level of .4 NTU occurred at Check 29 while the highest level of 31 NTU occurred at Barker Slough. BPP mean daily turbidity levels were unchanged at 5 NTU, as of December 3, 2008.

Dissolved Organic Carbon (DOC): Concentrations increased at BPP and Edmonston, from 2.3 mg/L to 2.4 mg/L and from 1.4 mg/L to 1.9 mg/L, but were unchanged at Check 13 at 2.9 mg/L as of December 3, 2008.

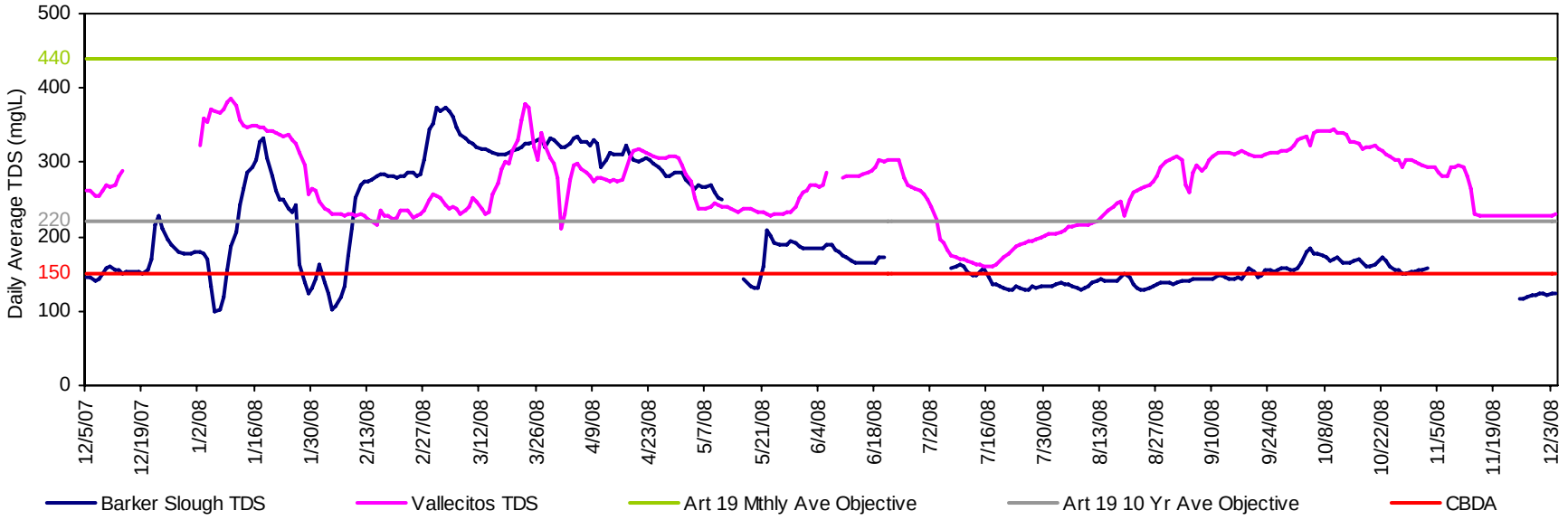
Taste and Odor Compounds: MIB and geosmin remain low project-wide, ranging from non-detect to 5 ng/L at Clifton Court Inlet, BPP, Del Valle Check 7, Lake Del Valle Outlet, San Luis Reservoir, Pacheco Pumping Plant and O'Neill Forebay Outlet. Sampling at Clifton Court Outlet will be discontinued until the spring of 2009.

Note:
The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213, or Austine Eke @ 916-653-7227. To view WQ data from any of the 15 automated stations along the SWP, visit: http://wwwomwq.water.ca.gov and click the "Autostation Data" link on the left side navigation bar.

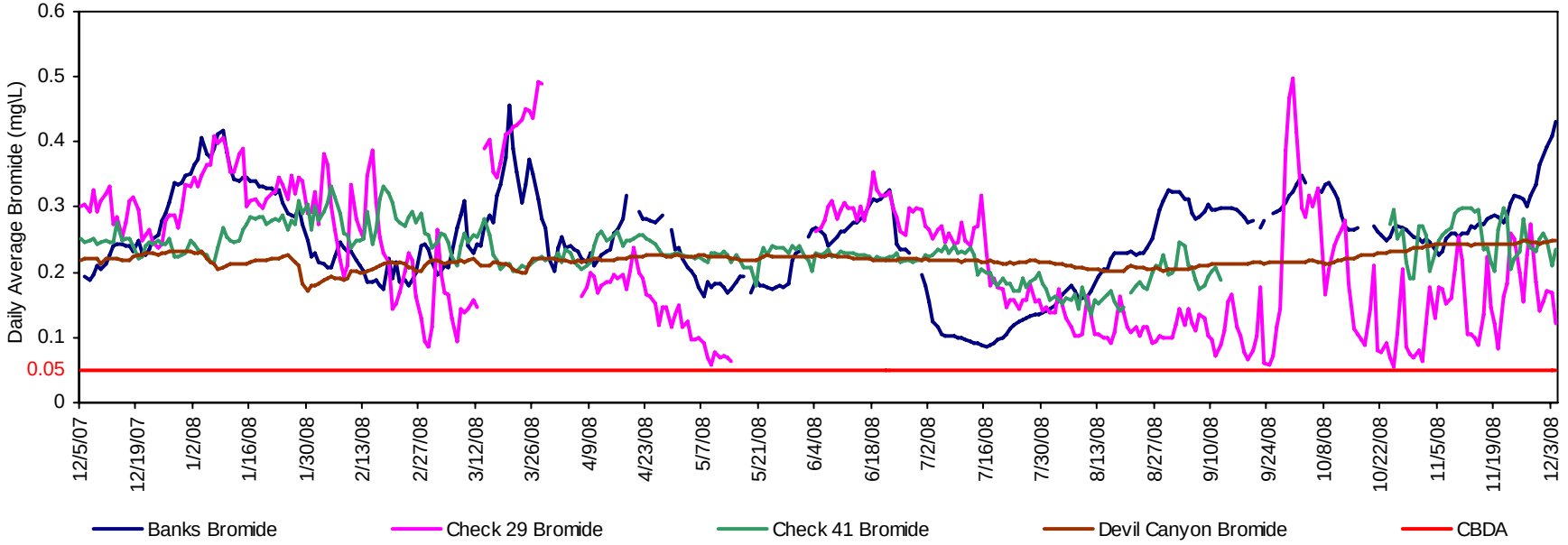
California Aqueduct - Calculated Total Dissolved Solids



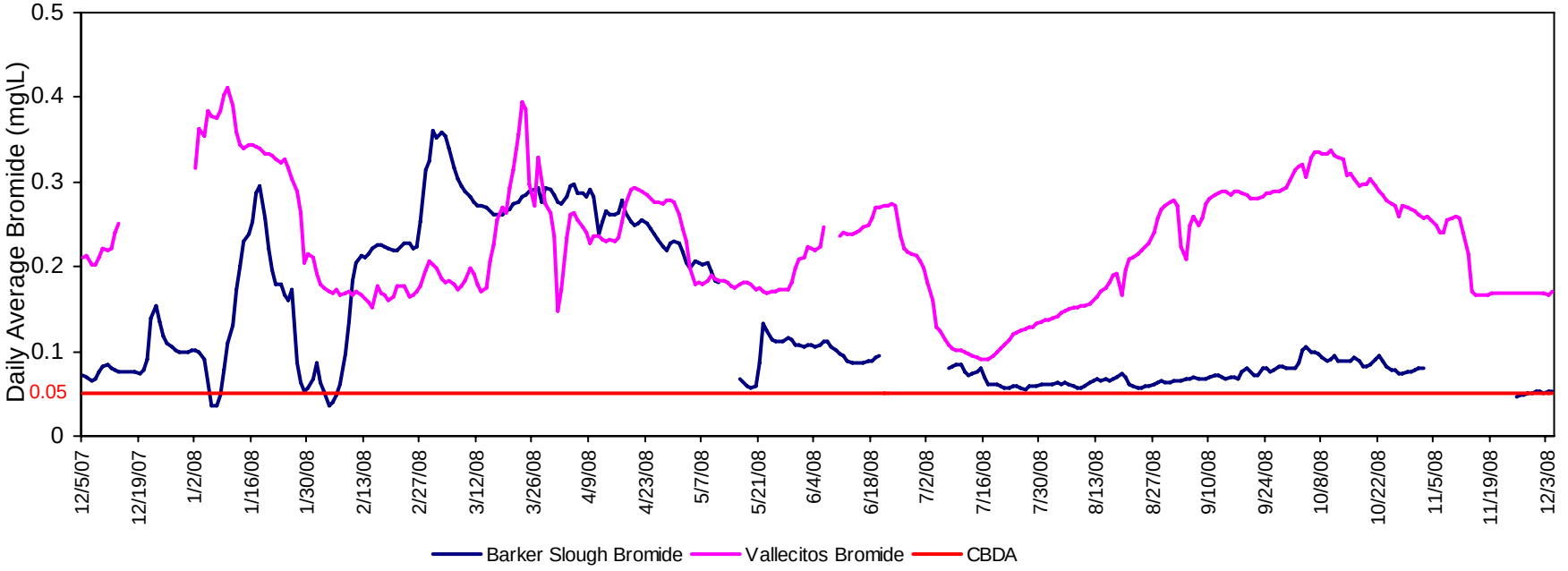
North and South Bay Aqueduct - Calculated Total Dissolved Solids



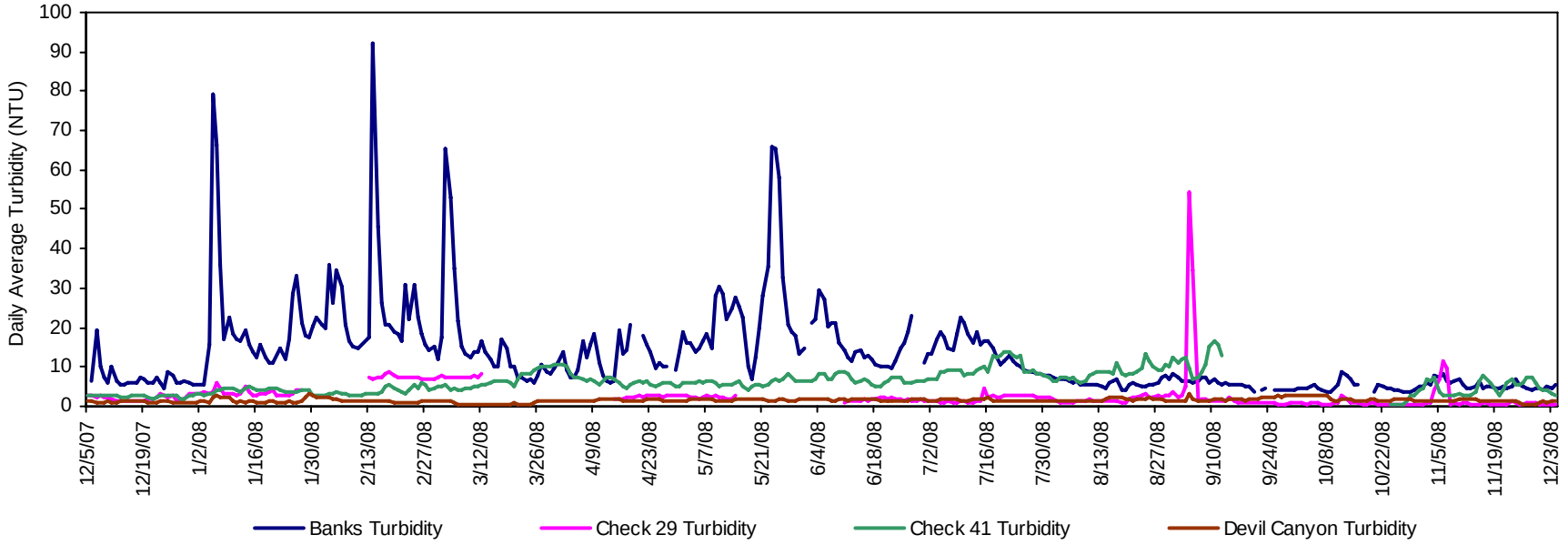
California Aqueduct - Calculated Bromide



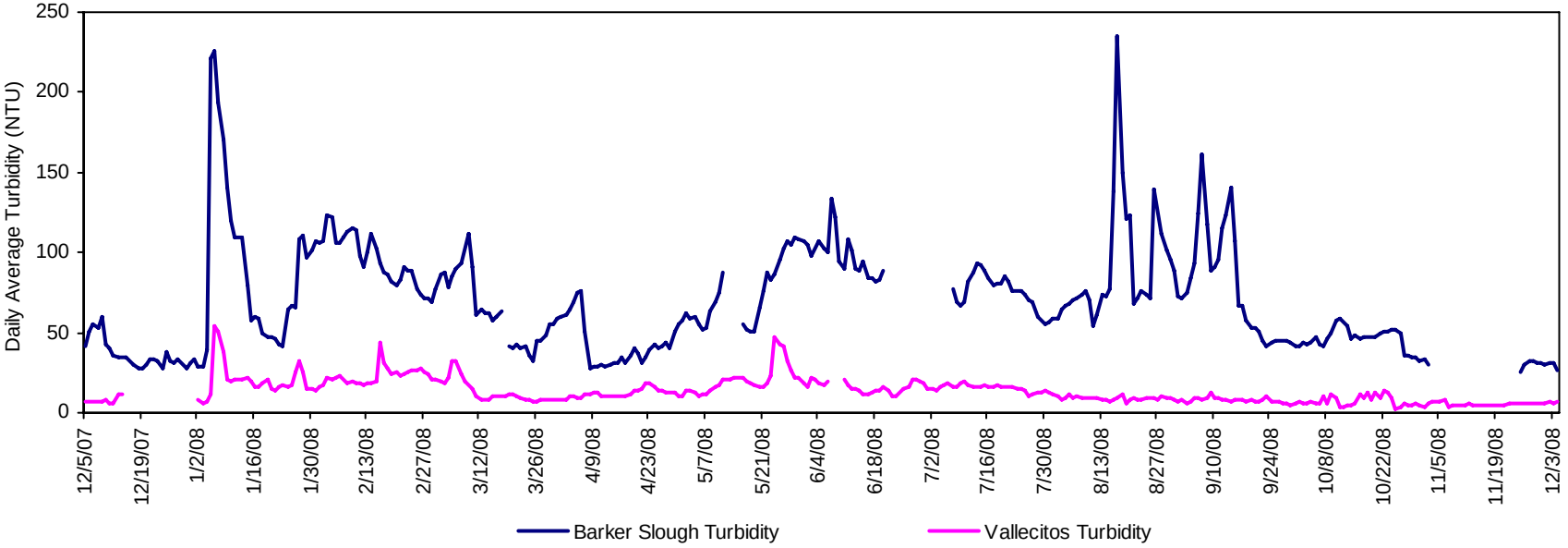
North and South Bay Aqueduct - Calculated Bromide

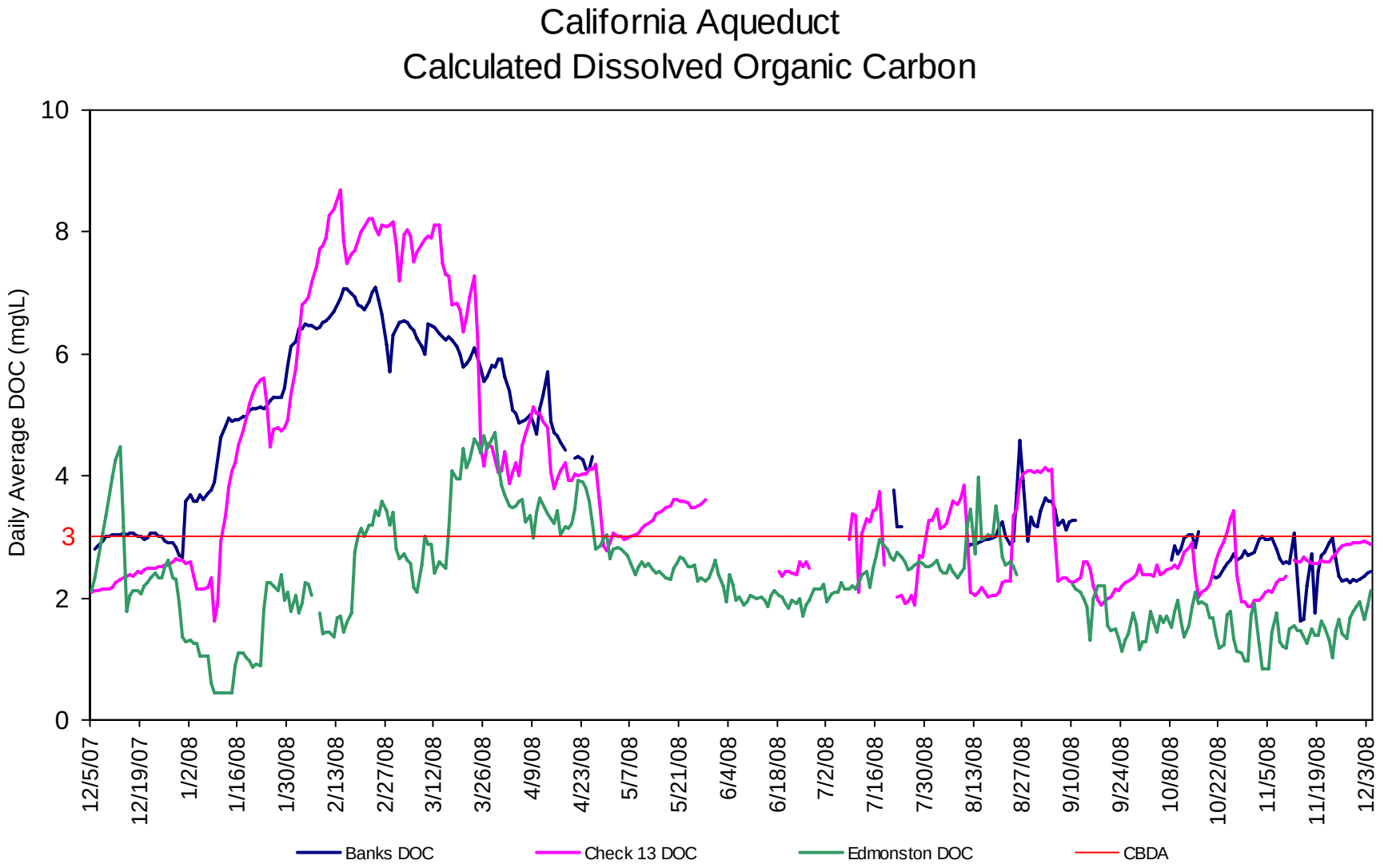


California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity




California Aqueduct
Calculated Dissolved Organic Carbon
Daily Average DOC (mg\L)
10
8
6
4
3
2
0
12/5/07
12/19/07
1/2/08
1/16/08
1/30/08
2/13/08
2/27/08
3/12/08
3/26/08
4/9/08
4/23/08
5/7/08
5/21/08
6/4/08
6/18/08
7/2/08
7/16/08
7/30/08
8/13/08
8/27/08
9/10/08
9/24/08
10/8/08
10/22/08
11/5/08
11/19/08
12/3/08
Banks DOC
Check 13 DOC
Edmonston DOC
CBDA